

Amendments to the Specification:

Please replace the paragraph at page 101, from line 7 through line 20, with the following paragraph:

-- Preferably, the polynucleotide, polypeptide, compound or vector, etc described here may be delivered into cells by being conjugated with, joined to, linked to, fused to, or otherwise associated with a protein capable of crossing the plasma membrane and/or the nuclear membrane (i.e., a membrane translocation sequence). Preferably, the substance of interest is fused or conjugated to a domain or sequence from such a protein responsible for the translocational activity. Translocation domains and sequences for example include domains and sequences from the HIV-1-trans-activating protein (Tat), *Drosophila* Antennapedia homeodomain protein and the herpes simplex-1 virus VP22 protein. In a highly preferred embodiment, the substance of interest is conjugated with penetratin protein or a fragment of this. Penetratin comprises the sequence RQIKIWFQNRRMKWKK (SEQ ID NO: 1) and is described in Derossi et al., 1994, *J. Biol. Chem.* 269:10444-50; use of penetratin-drug conjugates for intracellular delivery is described in WO 00/01417. Truncated and modified forms of penetratin may also be used, as described in WO 00/2927. --

Please replace the paragraph at page 146, from line 11 through line 13, with the following paragraph:

-- MS

Sense : UGAGAAUGUGAUGC CGCGU CCTT (SEQ ID NO: 2)

Antisense: GACGCGCAUCACAUUCUCATT (SEQ ID NO: 3) --

Please replace the paragraph at page 147, from line 10 through line 12, with the following paragraph:

-- Survivin (Survivin B, SurB, SURB, SUR)

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Sense : GAACUGGCCUUCUUGGAGtt (SEQ ID NO: 4)

Antisense: CUCCAAGAAGGGCCAGUUCtt (SEQ ID NO: 5) --

Please replace the paragraph at page 147, from line 15 through line 17, with the following paragraph:

-- PI3KR1

Sense : AUGAUCGAUGUGCACGUUUtt (SEQ ID NO: 6)

Antisense: AAACGUGCACAUCAUCGAUCAUtt (SEQ ID NO: 7) --

Please replace the paragraph at page 147, from line 19 through line 21, with the following paragraph:

-- BCL2

Sense : GUACAUCCAUAUAAGCUGtt (SEQ ID NO: 8)

Antisense: CAGCUUAUAUUGGAUGGUACtt (SEQ ID NO: 9) --

Please replace the paragraph at page 148, from line 1 through line 3, with the following paragraph:

-- c-Raf (CRAF)

Sense : UAGUUCAGCAGUUUGGUAtt (SEQ ID NO: 10)

Antisense: UAGCCAAACUGCUGAACUAtt (SEQ ID NO: 11) --

Please replace the paragraph at page 150, from line 13 through line 15, with the following paragraph:

-- QPCR Primers, designed by MWG Biotech as described previously, are as follows.

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
OAS1 (NM_002534)	GCGCCCCACCAAGCTCAAGA (SEQ ID NO: 12)	GTCCGAAATCCCTGGGCTGTGTT (SEQ ID NO: 13)
GBP1 (NM_002503)	TATGGTGGTGGTGGCAATTG TGG (SEQ ID NO: 14)	ACGGCCAGGGCGAAGATCC (SEQ ID NO: 15)

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Please replace Table 4 at page 182, with the following Table 4:

-- TABLE 4 QPCR primers for Target Genes:

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
MAK	GGGAGCTGGTGGCCATCAAAA (SEQ ID NO: 16)	TGGATAAAAGCCAGCCCTTGCA (SEQ ID NO: 17)
GPR86	TGAGCGGTGCCCGCAGAGACA (SEQ ID NO: 18)	CAGGGTGCCAGGTGTGAGTCAGA (SEQ ID NO: 19)
PCTAIRE	GCCGCTCAGCCGCATGTCC (SEQ ID NO: 20)	GGCGCTCCCTCCTCGTGCTC (SEQ ID NO: 21)
GRAF	CAGCGAACGGGAAGTTGCAGA (SEQ ID NO: 22)	CTTCCTTGGCAGCCCCGATC (SEQ ID NO: 23)
MPSK1	CGCGCTGTGTGTCTGCTCTCG (SEQ ID NO: 24)	GCGAAGGATGTTGGGGTGATTG (SEQ ID NO: 25)
RBS5PK	GCCGCCAAAAAAAGTGCCTGC (SEQ ID NO: 26)	TCCTTCATCATTCGACTCCTGGC (SEQ ID NO: 27)
TLK2	GCAGTTCCGCCAACAGCCAGTA (SEQ ID NO: 28)	GGACGCCAGAGGTTGATGC (SEQ ID NO: 29)
EK1	CGGGCCGGGCTCAGTTCA (SEQ ID NO: 30)	CGGCGGAGACTACCACCGA (SEQ ID NO: 31)
MKNK	CAAGCAGGGCACAGTCGGAGTAG (SEQ ID NO: 32)	CGGCTGGCTTCTCGCTCATCG (SEQ ID NO: 33)
NTKL	GGCAGCCCCGTGTCCATCTTC (SEQ ID NO: 34)	CCAGCCTCCACTCTCGCCTTGA (SEQ ID NO: 35)
CDC42	CAAAGCGAGAACGGCATAACGAG (SEQ ID NO: 36)	CCGGGCATCTTCTCGTCAGTG (SEQ ID NO: 37)

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RBSK	GGCGCGTCTGGGAACC (SEQ ID NO: 38)	AGCCGAGCAGCTGGACACACTG (SEQ ID NO: 39)
EDG6	CGGCGGTCAACCCATCATCT (SEQ ID NO: 40)	CCCGCATCCGAAAGCTGAGC (SEQ ID NO: 41)
CNK/PRK	CGCGGACCTGAGCTGGAGATG (SEQ ID NO: 42)	TGGCGACGCGGCTCTGC (SEQ ID NO: 43)
MAPKK5	CGGGCCGCAGTTACTCTTCAGG (SEQ ID NO: 44)	CCGGCCCGAGTATTCACCTCA (SEQ ID NO: 45)
P14KB	CGGAGGGGTCGGGAAC (SEQ ID NO: 46)	GCGGCCCATCTCATCTTC (SEQ ID NO: 47)
FLT4	TGCCGTGAACCCCATCGAGAG (SEQ ID NO: 48)	CGTGGACAGGTTGAGGCGGTAC (SEQ ID NO: 49)
PSKH1	CCCGAGCCACCCAAGGATGTC (SEQ ID NO: 50)	GGCCCTGCGTGGTGGTCTGA (SEQ ID NO: 51)
ITPKC	AGCCGGACAGCAGCGACCT (SEQ ID NO: 52)	TTTGCTTGGGCCTCTCGGTCTC (SEQ ID NO: 53)
ROCK	GTGGGCTTGGGAAACGCTC (SEQ ID NO: 54)	TCTGCATTGGAGCTAGTTCTGTTAT C (SEQ ID NO: 55)

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Please replace Table 8 at page 186, with the following Table 8:

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Table 8. Q-PCR primers for target genes and relevant control genes.

Gene	Forward Primer (5' to 3') ¹	Reverse Primer (5' to 3') ¹	Conc. ²
GRAF	GATAGTCCGCACTTCCG (SEQ ID NO: 56)	GAGTGACTTCCGTCCTT (SEQ ID NO: 57)	100 nM
ULK1	GACTTCCAGGAAATGGCT (SEQ ID NO: 58)	AGAGCCTGATGGTGTCTC (SEQ ID NO: 59)	100 nM
EKI	CGTCGTGGTAGTCTC (SEQ ID NO: 60)	GATGCTCCCTGATCCT (SEQ ID NO: 61)	100 nM
ROCK1	GCATAAATCCACCAAGGAA (SEQ ID NO: 62)	ATGTCCTTCTTCCCAG (SEQ ID NO: 63)	100 nM
NTKL	TACCTCAAGGCGAGAGTG (SEQ ID NO: 64)	CAGTCGTTGACCAGGAAG (SEQ ID NO: 65)	100 nM
RBSK	ATACGGAGGATCTGAGGG (SEQ ID NO: 66)	TCCAAAGAAGTTGCTGGA (SEQ ID NO: 67)	100 nM
DAGK	GGAAGGTGACGCTCACCAAG (SEQ ID NO: 68)	ACATGAAATTGCAGACGTCGC (SEQ ID NO: 69)	200 nM

ITPKC	CAGACGGACAGACTGAGC (SEQ ID NO: 70)	TCCATTCTAGATGCGTCC (SEQ ID NO: 71)	100 nM
UKH	TGCAGTACGATGTGCTTG (SEQ ID NO: 72)	CAGCACTTCCTGGTCTG (SEQ ID NO: 73)	100 nM
BAI2	CCTGCTGAGGCCGATTG (SEQ ID NO: 74)	TTTCACTTCGGTTCCTCTTCC (SEQ ID NO: 75)	100 nM
GPR12	AAGGTCAATTAAAGCGGGCTG (SEQ ID NO: 76)	TCTGGCTCTACGGCAGGAAC (SEQ ID NO: 77)	200 nM
GPR86	AGGTGACACTGGAAGCAA (SEQ ID NO: 78)	CACTGTGTAGAGGGCTGG (SEQ ID NO: 79)	100 nM
Bcl2	CACGCTGGGAGAACAGGGT (SEQ ID NO: 80)	CACATCTCCCGCATCCCCA (SEQ ID NO: 81)	100 nM
Survivin B	TCAAGGACCACCGCATCTCT (SEQ ID NO: 82)	CAGTGGATGAAGCCAGCCTC (SEQ ID NO: 83)	100 nM
GAPDH	CGACCACTTGTCAAGCTCA (SEQ ID NO: 84)	GGGTCTTACTCCTGGAGGC (SEQ ID NO: 85)	100 nM

¹Primers are synthesised by MWG-Biotech. ²The final concentration of each primer in a Q-PCR reaction.

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Please replace Table 9 at page 187, with the following Table 9:

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Table 9. Sequence of siRNA oligonucleotides.

Gene	Sense Oligonucleotide (5'-3')	Antisense Oligonucleotide (5'-3')
GRAF	GCGGAAGUUUGCAGAUUCCtt (SEQ ID NO: 86)	GGAAUCUGCAAACUUCCGCtt (SEQ ID NO: 87)
ULK1 ¹	GGAACUGAACACAUGAAAACtt (SEQ ID NO: 88)	GUUUUCAUGUUUCAGUUCCtt (SEQ ID NO: 89)
EKI	GCACUGGAUCCAAGCAUGGtt (SEQ ID NO: 90)	CAUGCUUJUGGAUCCAGUGCtt (SEQ ID NO: 91)
ROCK	UACAUGCCUGGUGGAGAUCAtt (SEQ ID NO: 92)	GAUCUCCACCAGGCAUGUAtt (SEQ ID NO: 93)
NTKL	UGUGGAGCUGAUGAAGCACtt (SEQ ID NO: 94)	GUGCUUCAUCAGCUCCACAtt (SEQ ID NO: 95)
RBSK	CGUCCUGGAGUGACAA AUGtt (SEQ ID NO: 96)	CAUUUGUCACUCCAGGACGtt (SEQ ID NO: 97)
DAGK ¹	GGCUGCACAACAAGGGUGUtt (SEQ ID NO: 98)	ACACCCUUGUJUGUGCAGCCtg (SEQ ID NO: 99)
ITPKC	GUCCUGGGCUGAUACCUCtt (SEQ ID NO: 100)	GAGGUUAUCAGCCCAGGACtt (SEQ ID NO: 101)

UKH	AGCGCAAGACACUCUGUGGtt (SEQ ID NO: 102)	CCACAGAGUGUCUUGCGCUtt (SEQ ID NO: 103)
BAI2 ¹	GGACCUGUUUGGUACCAUCtt (SEQ ID NO: 104)	GAUGGUAGGAAAGAGGUCCtg (SEQ ID NO: 105)
GPR12 ¹	GGACGGUCACGUUUACCUAtt (SEQ ID NO: 106)	UAGGUAAAACGUGACCGUCCtc (SEQ ID NO: 107)
GPR86	AAACACUUUUGGUGGCCGACtt (SEQ ID NO: 108)	GUCGGCCACCAAAGUGUUUtt (SEQ ID NO: 109)
¹ siRNA sequences designed and synthesised by Ambion.		

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Please replace Table 11 at page 188, with the following Table 11:

-- TABLE 11

Gene	Sense Oligonucleotide (5'-3')	Antisense Oligonucleotide (5'-3')
MAK	GAAGCCAAGCAUGGGUGGUUtt (SEQ ID NO: 110)	AACACCCAUGCUUGGCUUCtt (SEQ ID NO: 111)
GPR86	AAACACUUUUGGUGGCCGACtt (SEQ ID NO: 112)	GUCGGCCACCAAAGUGUUUtt (SEQ ID NO: 113)
PCTAIRE	GUCAGUGCCCACAAAGACUtt (SEQ ID NO: 114)	AGUCUUUGUGGGCACUGACtt (SEQ ID NO: 115)
GRAF	GCGGAAGUUUGCAGAUUCCtt (SEQ ID NO: 116)	GGAAUCUGCAAACUUCCGctt (SEQ ID NO: 117)
MPSK1	GGGUUAUGCCCACAGAGACtt (SEQ ID NO: 118)	GUCUCUGUGGGCAUAACCCtt (SEQ ID NO: 119)
MPSK1seq2 ¹	GCCGACAUGCAUCGCCUCUtt (SEQ ID NO: 120)	AGAGGCGAUGCAUGUCGGCtt (SEQ ID NO: 121)
RBS6PK	CGUCCUGGAGUGACAAUAGtt (SEQ ID NO: 122)	CAUUUGUCACUCCAGGACGtt (SEQ ID NO: 123)
TLK2A ²	GUGUUCCACCAAGUUGCACGtt (SEQ ID NO: 124)	CGUGCAACUGGUGGAACACtt (SEQ ID NO: 125)
TLK2B ²	GAUGGCGUGUAGAGAUAAAGtt (SEQ ID NO: 126)	CUUAUCUCUACACGCCAUCtt (SEQ ID NO: 127)
EKI1	GCACUGGAUCCAAAGCAUGtt (SEQ ID NO: 128)	CAUGCUUUGGAUCCAGUGCtt (SEQ ID NO: 129)
MKNK	UACAUGGCCCCUGAGGUAGtt (SEQ ID NO: 130)	CUACCUCAGGGGCCAUGUAtt (SEQ ID NO: 131)
MKNKseq2 ¹	AUUGCAAGGAGGUUCCAUCCtt (SEQ ID NO: 132)	GAUGGAACCUCCUUGCAAUtt (SEQ ID NO: 133)

NTKL	UGUGGAGCUGAUGAAGCACtt (SEQ ID NO: 134)	GUGCUUCAUCAGCUCCACAtt (SEQ ID NO: 135)
CDC42	GCUCAGCUUGAUGAUGCUGtt (SEQ ID NO: 136)	CAGCAUCAUCAAGCUGAGCtt (SEQ ID NO: 137)
RBSK	GACCUUCCGCUUACUCUGUtt (SEQ ID NO: 138)	ACAGAGUAAGCGGAAGGUtt (SEQ ID NO: 139)
EDG6	CAUCACCGCUGAGUGACCUGtt (SEQ ID NO: 140)	CAGGUCACUCAGCGUGAUGtt (SEQ ID NO: 141)
CNK/PRK	UCGUAGUGCUUGUACUUACtt (SEQ ID NO: 142)	GUAAGUACAAGCACUACGAtt (SEQ ID NO: 143)
CNK/PRKseq2 ¹	CAGAAAGACUGUGCACUACtt (SEQ ID NO: 144)	GUAGUGGCACAGUCUUUCUGtt (SEQ ID NO: 145)
MAPKK5	GAGGACAGGUUAAGCUGUGtt (SEQ ID NO: 146)	CACAGCUUAACCUGUCCUCtt (SEQ ID NO: 147)
P14KB	GCUACGGAAGCUGAUCCUCtt (SEQ ID NO: 148)	GAGGAUCAGCUUCCGUAGCtt (SEQ ID NO: 149)
FLT4	GUACGGCAACCUCUCCAACtt (SEQ ID NO: 150)	GUUGGAGAGGUUGCCGUACtt (SEQ ID NO: 151)
PSKH1	GAACCUGCACCGCUCCAAtt (SEQ ID NO: 152)	UAUGGAGCGGUGCAGGUUCtt (SEQ ID NO: 153)
PSKH1seq2 ¹	UUGGCCGAGGCAGCUUCAGtt (SEQ ID NO: 154)	CUGAACGCCUCGGCCAAtt (SEQ ID NO: 155)
ITPKC	GUCCUGGGCUGAUACCUCtt (SEQ ID NO: 156)	GAGGUUAUCAGCCCAGGACtt (SEQ ID NO: 157)
ROCK	UACAUGCCUGGUGGAGAUCCtt (SEQ ID NO: 158)	GAUCUCCACCAGGCAUGUAtt (SEQ ID NO: 159)
BAI2	GCUCUGCAGUAUGGCUGCCtt (SEQ ID NO: 160)	GGCAGCCAUCUGCAGAGCtt (SEQ ID NO: 161)
ULK1	UUCUGUCUACCUGGUUAUGtt (SEQ ID NO: 162)	CAUAACCAGGUAGACAGAAtt (SEQ ID NO: 163)
DAGK	GAUCGUGCAGAUGAGUAACtt (SEQ ID NO: 164)	GUUACUCAUCUGCACGAUCtt (SEQ ID NO: 165)
STK6	GCCGGUUCAGAAUCAGAACtt (SEQ ID NO: 166)	CUUCUGAUUCUGAACCGGCtt (SEQ ID NO: 167)
FLJ13551	CACCAAUUAGUUCAAAGCUtt (SEQ ID NO: 168)	AGCUUUGAACUAAUUGGUGtt (SEQ ID NO: 169)
GPR12	AGCGCUCUGUCUCAUUUGCtt (SEQ ID NO: 170)	GCAA AUGAGACAGAGCGCUtt (SEQ ID NO: 171)
UK	AGCGCAAGACACUCUGUGGtt (SEQ ID NO: 172)	CCACAGAGUGUCUUGCGCUtt (SEQ ID NO: 173)

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